

Figure 1

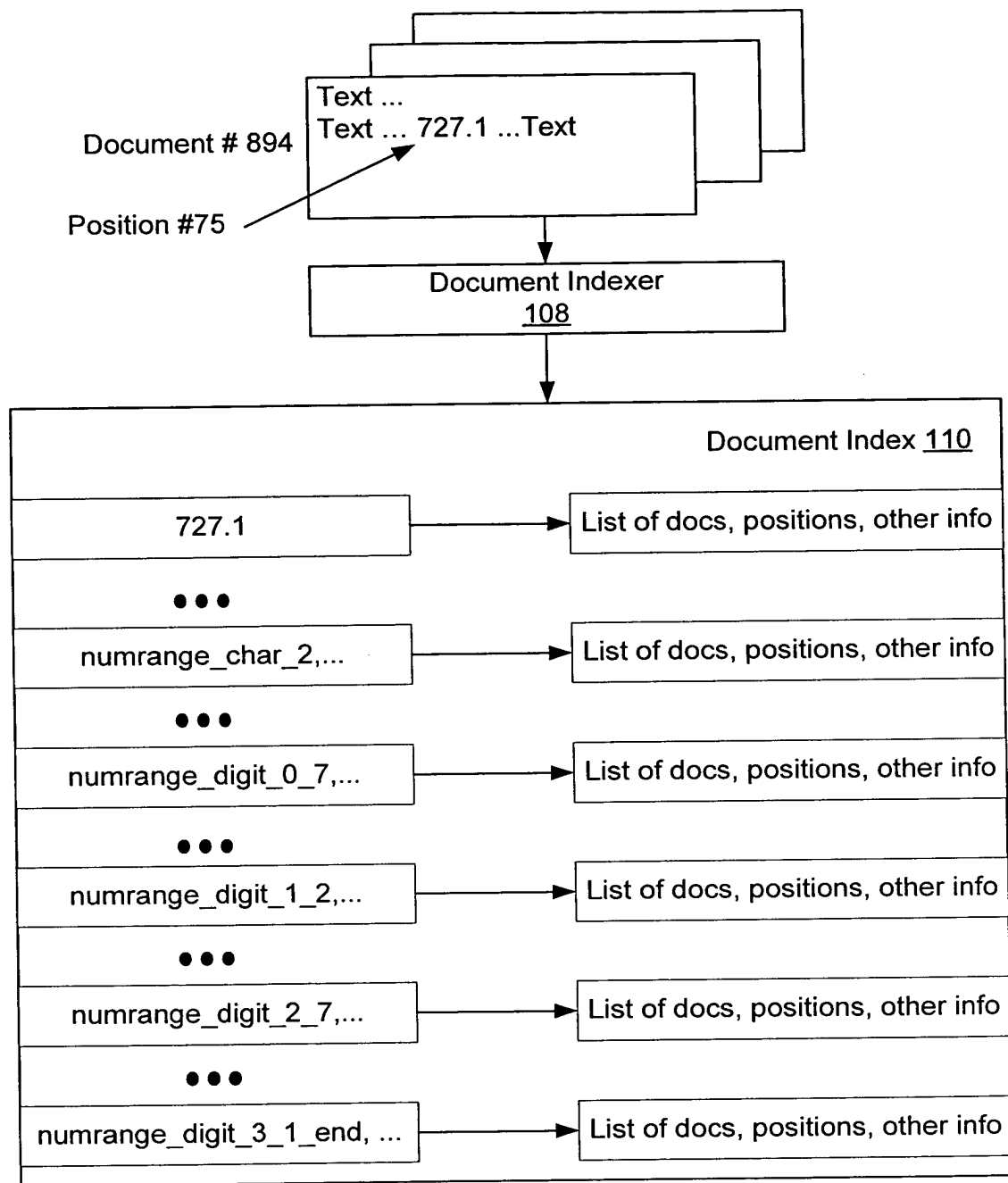


Figure 2

Numerical Index Term 300

fieldname	digit position	digit value	end flag	neg value flag	neg characteristic flag	other Info
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Figure 3

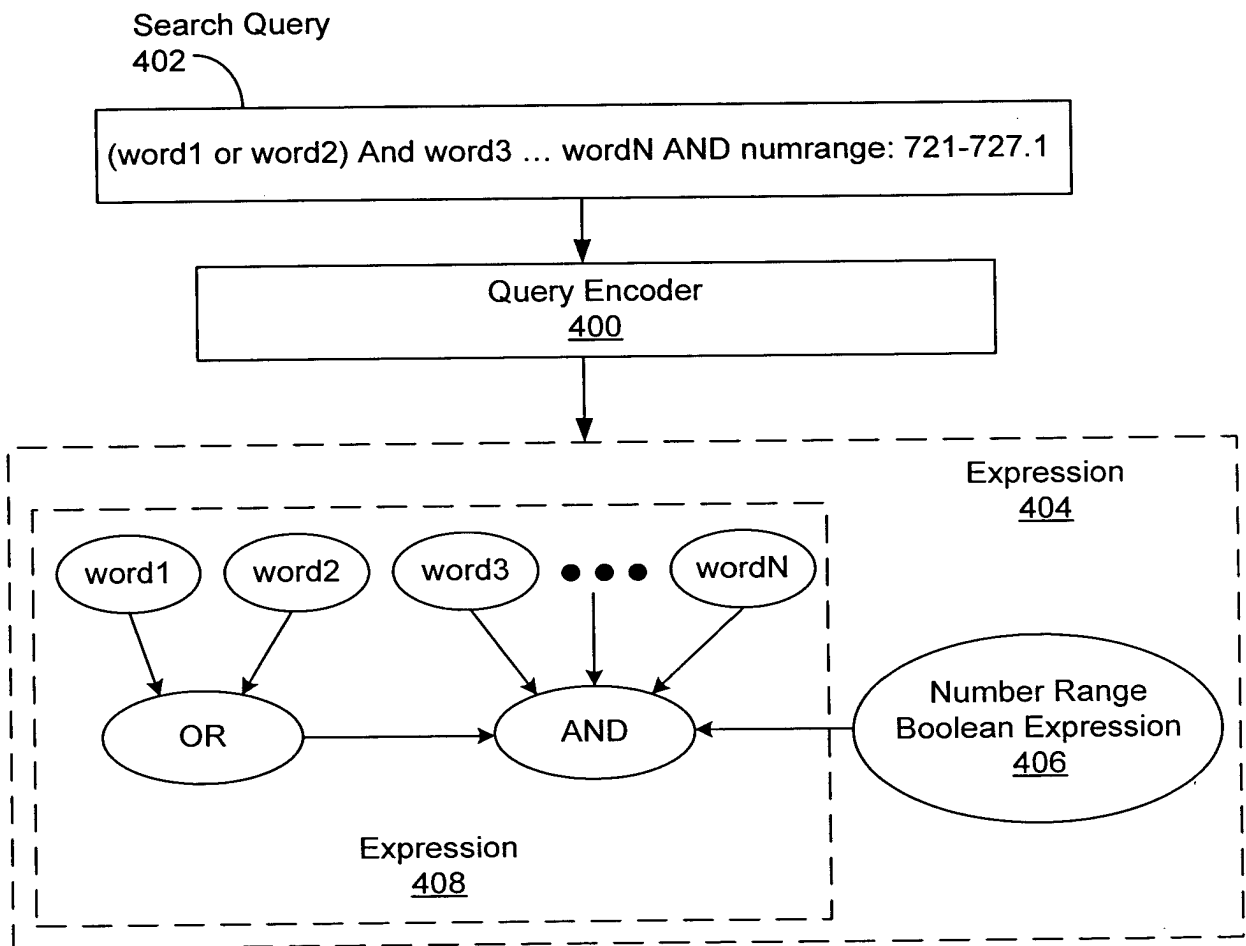


Figure 4

Boolean Expression Tree 406

```
----- Level 1
AND:
|---numrange_character_2
|---numrange_digit_0_7
|---numrange_digit_1_2
----- Level 2
|---OR:
|   |--numrange_digit_2_1
|   |--numrange_digit_2_1_end
|   |--numrange_digit_2_2
|   |--numrange_digit_2_2_end
|   |--numrange_digit_2_3
|   |--numrange_digit_2_3_end
|   |--numrange_digit_2_4
|   |--numrange_digit_2_4_end
|   |--numrange_digit_2_5
|   |--numrange_digit_2_5_end
|   |--numrange_digit_2_6
|   |--numrange_digit_2_6_end
|   |--numrange_digit_2_7_end
----- Level 3
|---AND:
|   |--numrange_digit_2_7
----- Level 4
|---OR:
|   |--numrange_digit_3_0
|   |--numrange_digit_3_1_end
```

Figure 5

```

AND:
|---<fieldname>_characteristic_2
|---OR:
|---AND:
|---|---<fieldname>_digit_0_1
|---|---OR:
|---|---AND:
|---|---|---<fieldname>_digit_1_8
|---|---|---OR:
|---|---|---|---<fieldname>_digit_2_9
|---|---|---|---<fieldname>_digit_2_9_end
|---|---|---<fieldname>_digit_1_9
|---|---|---<fieldname>_digit_1_9_end
|---<fieldname>_digit_0_2
|---<fieldname>_digit_0_2_end
|---<fieldname>_digit_0_3
|---<fieldname>_digit_0_3_end
|---<fieldname>_digit_0_4_end
|---AND:
|---|---<fieldname>_digit_0_4
|---|---<fieldname>_digit_1_0
|---|---OR:
|---|---|---<fieldname>_digit_2_0
|---|---|---<fieldname>_digit_2_1
|---|---|---<fieldname>_digit_2_1_end
|---|---|---<fieldname>_digit_2_2
|---|---|---<fieldname>_digit_2_2_end
|---|---|---<fieldname>_digit_2_3
|---|---|---<fieldname>_digit_2_3_end
|---|---|---<fieldname>_digit_2_4
|---|---|---<fieldname>_digit_2_4_end
|---|---|---<fieldname>_digit_2_5_end

```

Figure 6

```

OR:
|---AND:
|   |---<fieldname>_characteristic_2
|   |---OR:
|       |---AND:
|           |---<fieldname>_digit_0_1
|           |---OR:
|               |---<fieldname>_digit_1_5
|               |---<fieldname>_digit_1_5_end
|               |---<fieldname>_digit_1_6
|               |---<fieldname>_digit_1_6_end
|               |---<fieldname>_digit_1_7
|               |---<fieldname>_digit_1_7_end
|               |---<fieldname>_digit_1_8
|               |---<fieldname>_digit_1_8_end
|               |---<fieldname>_digit_1_9
|               |---<fieldname>_digit_1_9_end
|           |---<fieldname>_digit_0_2
|           |---<fieldname>_digit_0_2_end
|           |---<fieldname>_digit_0_3
|           |---<fieldname>_digit_0_3_end
|       |---...
|       |---<fieldname>_digit_0_8
|       |---<fieldname>_digit_0_8_end
|       |---<fieldname>_digit_0_9
|       |---<fieldname>_digit_0_9_end
|   |---<fieldname>_characteristic_3 |---<fieldname>_characteristic_3_end
|   |---<fieldname>_characteristic_4 |---<fieldname>_characteristic_4_end
|   |---<fieldname>_characteristic_5 |---<fieldname>_characteristic_5_end
|   |---...
|   |---<fieldname>_characteristic_78 |---<fieldname>_characteristic_78_end
|   |---<fieldname>_characteristic_79 |---<fieldname>_characteristic_79_end
|   |---<fieldname>_characteristic_80_end

```

Figure 7

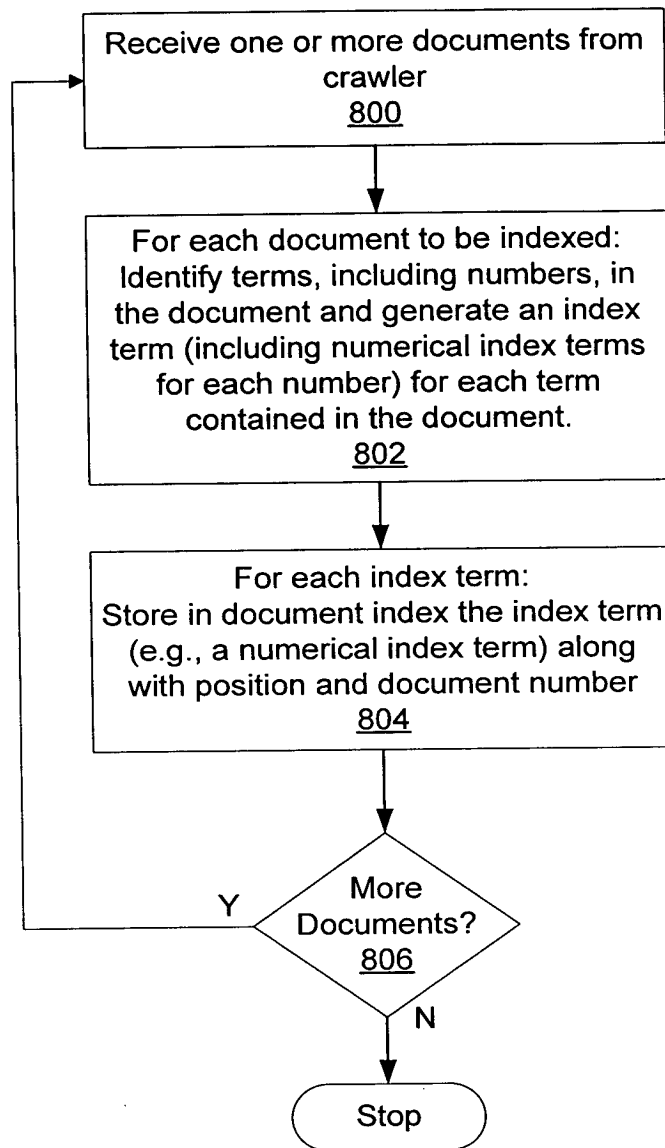


Figure 8

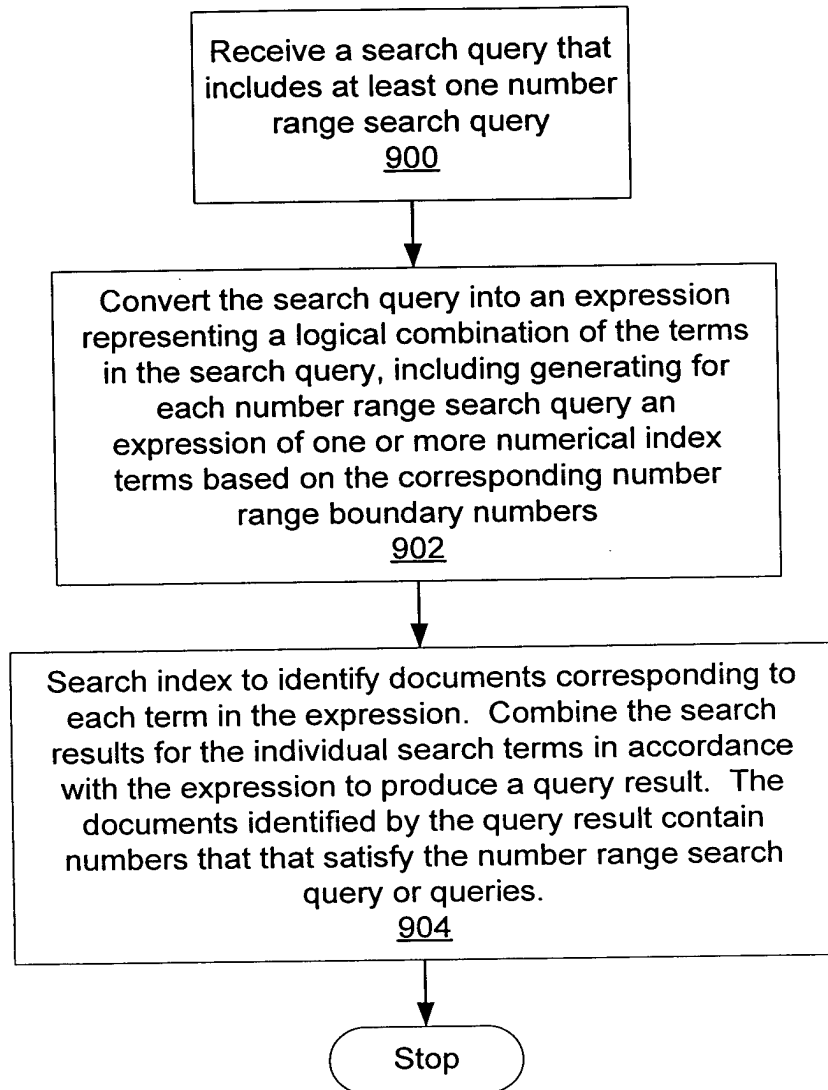


Figure 9

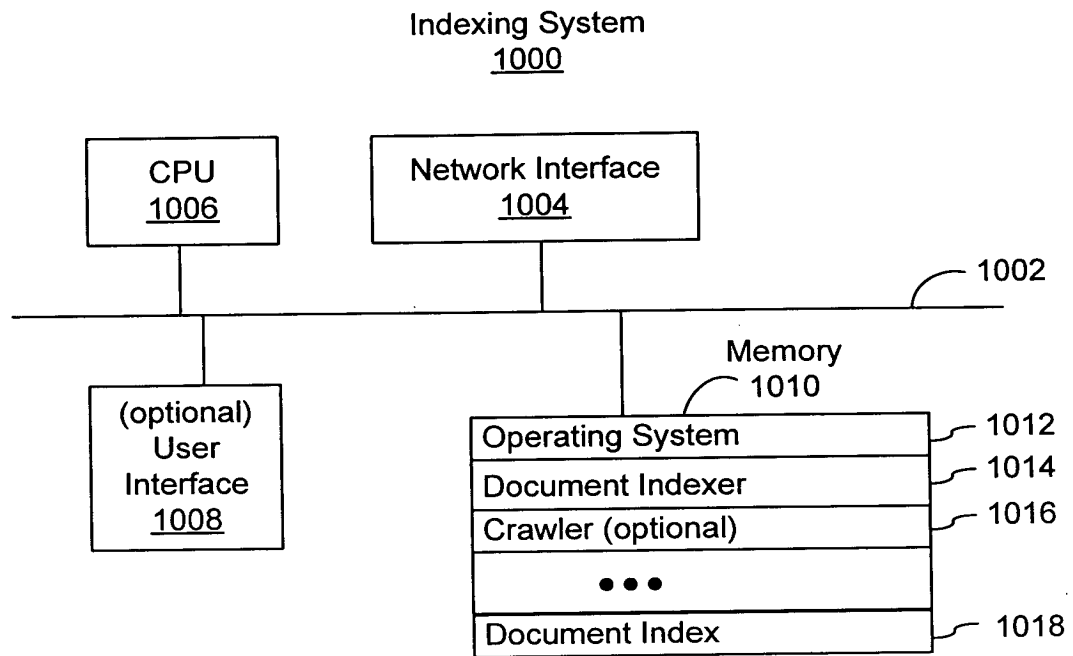


Figure 10

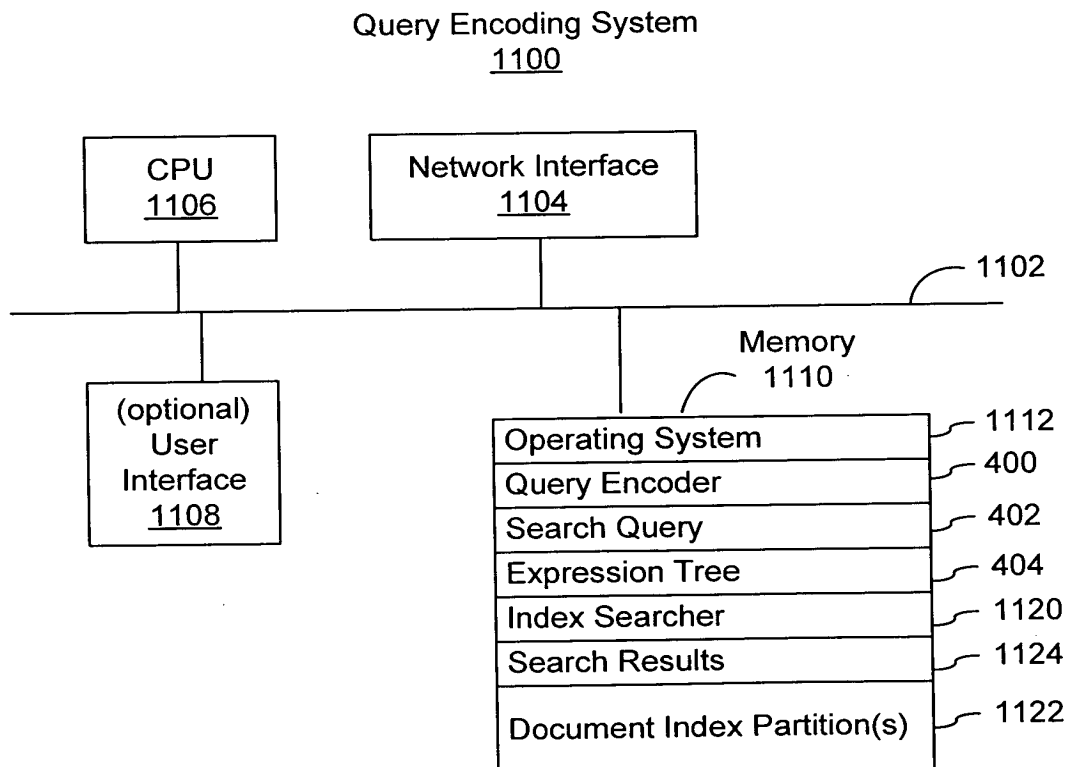


Figure 11